

IN THE CLAIMS

1. (currently amended) A breathing assistance device for a patient, comprising:

- ~~•~~—A a source of respiratory pressurized gas₇;
 - ~~•~~—A a breathing connection for allowing the patient to receive said pressurized gas₇; and
 - ~~•~~—A at least one sensor for acquiring a parameter representative of the operation of the device₇;
- ~~characterised in that wherein~~ said gas source is a ventilator, and said ventilator is integrated into a removable module which also comprises said at least one sensor for acquiring a parameter representative of the operation of the device.

2. (currently amended) The device ~~as claimed in the preceding of claim 1~~, ~~characterised in that wherein~~ said removable module comprises a pressure sensor of respiratory gas and a flow sensor.

3. (currently amended) The device ~~as claimed in any one of the preceding of claims 1 or claim 2~~, ~~characterised in that wherein said removable~~ ~~the module~~ is fixed on the device by a removable connection₇ such that disassembly of the module is easy.

4. (currently amended) The device ~~as claimed in the preceding of claim 3~~, ~~wherein characterised in that said~~ removable connection comprises a thread pitch.

5. (currently amended) The device ~~as claimed in of Claim 3~~, ~~wherein characterised in that said~~ removable connection comprises means for clipping the removable module.

6. (currently amended) The device ~~as claimed in any one of the preceding of claims 1, wherein , characterised in that said~~ breathing connection is in the form of a mask.

7. (currently amended) The device ~~as claimed in the preceding of claim 6, wherein characterised in that said mask is~~ a mask not having means allowing leaks, ~~such as vents.~~

8. (currently amended) The device ~~as claimed in any one of the preceding of claims 1, wherein characterised in that the~~ removable module is fixed directly on the breathing connection, such that the device does not comprise a conduit for conveying respiratory gas which would connect the breathing connection to a fixed offline console of the device.

9. (currently amended) The device ~~as claimed in the preceding of claim 8, wherein characterised in that the an~~ ensemble formed by the breathing connection and the removable module is linked to a control console of the device with a link.

10. (currently amended) The device ~~as claimed in the preceding of claim 9, wherein characterised in that said link~~ allows data to be transmitted between said ensemble and said console.

11. (currently amended) The device ~~as claimed in the preceding of claim 10, wherein characterised in that said link~~ is a wireless link.

12. (currently amended) The device ~~as claimed in G of claim 10, wherein characterised in that said link helps to convey the~~ energy required to operate ~~the~~ components of the removable module from said console to said ensemble.

13. (currently amended) The device ~~as claimed in the~~
~~preceding of claim 12, wherein characterised in that~~ said link
is a wired link.

14. (currently amended) The device ~~as claimed in any one of~~
~~the preceding of claims 1, wherein characterised in that~~ the
ventilator is an axial ventilator.

15. (currently amended) The device ~~as claimed in the~~
~~preceding of claim 14, wherein characterised in that~~ a rotor
of the axial ventilator ~~axial~~ comprises a single stage.

16. (currently amended) The device ~~as claimed in any one of~~
~~the two preceding of claims 15, wherein characterised in that~~ in
the ventilator the respective directions of the input and output
of respiratory gas are substantially parallel.

17. (currently amended) The device ~~as claimed in any one of~~
~~the three preceding of claims 14, wherein characterised in that~~
the ventilator comprises:-

- ~~a~~ a central input substantially aligned with ~~the~~ an axis
of rotation of a ~~the~~ rotor of the ventilator,
- ~~an~~ an outlet allowing ~~the~~ flux generated by said rotor to
be collected according to an oblique direction
relative to said axis of rotation, and
- ~~means~~ means for rectifying said flux that is generated and
collected, so that ~~this~~ the generated and collected
flux flows out of the ventilator in a general
direction substantially parallel to said axis of
rotation of the rotor of the ventilator.

18. (currently amended) The device ~~as claimed in any one of the preceding of~~ claims 1, wherein ~~characterised in that the~~ device is ~~of type a~~ BPAP device.

19. (currently amended) The device ~~as claimed in any one of~~ claims 1 to 17, wherein ~~characterised in that the~~ device is ~~of type a~~ CPAP device.